

**METHOD AND SYSTEM FOR INFORMATION HANDLING SYSTEM
AUTOMATED AND DISTRIBUTED TEST**

Matthew Eden
Jeremy Campbell
Sherman Quick
Matthew Selman

5

ABSTRACT OF THE DISCLOSURE

A system and method for testing information handling systems distributes test units across a network to communicate with a test server. The test server communicates test executables and runtimes to the test units according to scripts of a script package, test engines associated with the test server and a test unit profile. To load and execute an executable and runtime on a test unit, a test controller associated with the test server sends an execution identifier to a test unit process abstraction layer controller. A validator of the test unit controller responds to the execution identifier with test unit configuration profile information that the test server controller applies to one or more test engines and a script to generate an executable and runtime that is sent to the test unit controller. An activator of the test unit process abstraction layer controller activates the executable scripts through the runtime and tracks test results. The test unit process abstraction layer controller provides improved stability during test unit failures and remote control of runtime functions, such as dynamic runtime duration, pause and abort functionality.

10

15

20